

INTERNATIONAL SEARCH REPORT

International application No

JP/2006/302780

A. CLASSIFICATION OF SUBJECT MATTER

INV. H01L21/00 H01J37/32 H01L21/677 H05K13/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

H01L H01J H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 823 416 A (HAJI ET AL) 20 October 1998 (1998-10-20) abstract figures 1,8,9,12,13 column 1, line 7 - line 61 column 3, line 14 - line 62 column 6, line 60 - column 8, line 17 column 9, line 3 - column 10, line 50	1
Y	US 5 443 689 A (KIMURA ET AL) 22 August 1995 (1995-08-22) abstract	1
A	figures 1A,4 column 1, line 9 - line 36 column 1, line 46 - column 2, line 43 column 3, line 1 - line 63	2
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

11 May 2006

Date of mailing of the international search report

24/05/2006

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 1 355 342 A (NORDSON CORPORATION) 22 October 2003 (2003-10-22) abstract figures 1-3, 6, 7 paragraphs [0003] - [0009], [0012] paragraphs [0017], [0021], [0022] paragraphs [0043], [0044], [0050] paragraphs [0072] - [0074]</p>	1
A	<p>PATENT ABSTRACTS OF JAPAN vol. 2000, no. 01, 31 January 2000 (2000-01-31) -& JP 11 289192 A (MATSUSHITA ELECTRIC IND CO LTD), 19 October 1999 (1999-10-19) abstract figures 4, 5</p>	2

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/JP2006/302780

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5823416	A	20-10-1998	CN 1515362 A CN 1150981 A KR 235586 B1	28-07-2004 04-06-1997 15-12-1999
US 5443689	A	22-08-1995	NONE	
EP 1355342	A	22-10-2003	JP 2003318158 A US 2005269031 A1 US 2003196760 A1	07-11-2003 08-12-2005 23-10-2003
JP 11289192	A	19-10-1999	JP 3663902 B2	22-06-2005